INDEX

RAND B. EVANS, Wright State University

AUTHORS

(The names of authors of original articles are printed in CAPITALS and SMALL CAPITALS; of authors of books reviewed, in roman; and of reviewers, in *italics*.)

ABOUD, J., JR. 221
ADKINS, M. 122
ANDREWS, O. E. ... 523
ANSTIS, S. M. 350, 474
ANTONITIS, J. J. ... 389

BAER, P. E. 168
BAGLEY, S. K. 307
Barnes, L. W. 554
BECK, J. 359
BENTON, R. G. 133
BERGER, S. M. 333
BEVAN, W. 415
BITTERMAN, M. E. 126
Boulter, L. R. 552
BOWMAN, R. W., JR. 23
BREHMER, B. 490
BURNHAM, C. A. ... 86

Campione, J. C. ... 142
CAMPIONE, J. C. .. 212
Ceraso, J. 548
Cherry, Colin 551
CHUBB, N. C. 307
Clausen, J. 139
Cofer, C. N. 549
Cohen, J. 550
COLLYER, S. C. 415
CRONNELL, B. 248

Dalton, G. W. 554
DAVES, W. F. 122
DAY, R. H. 191

Ellis, N. R. 139
ELLSBURY, S. W. .. 333
Endler, N. W. 552
ERIKSEN, C. W. ... 320

Fellows, B. J. 142
FILION, R. D. L. .. 226
FISHBEIN, H. D. .. 523
FISHBEIN, M. 457
FOWLER, S. C. 266
Foy, W. H. 555
FREUND, J. S. 198
FUHRER, M. J. 168

GLASS, T. A. 241
GLUCKSBERG, S. ... 111
GOGEL, W. C. ..228, 342
GRANBERG, D. 221
GREENBERG, B. 254

HALPER, F. 425
HAMILTON, D. 272
HARCUM, E. R. 504
HATCH, G. 457
Hooper, F. H. 552
HURST, P. M. 307

Jacobson, E. 555
JOHNSON-LAIRD, P. N. 367
Jung, J. 548

KAPLAN, M. F. 157
KAPPAUF, W. E. 40, 547
KARKAU, V. T. 203
KENNEDY, R. H. .. 272
KOHFELD, D. L. ... 104
Kohler, Y. 141
Korman, A. K. 554
Kovar, L. C. 143

LANDY, E. 457
LANGER, J. 181
LASKER, A. 1
Lawrence, D. H. .. 549
LEVINE, M. 117
LEVINTHAL, C. F. .. 523
Lewis, M. 552
Litwin, G. H. 554
LOTT, D. 248
Lovejoy, E. 549
LOVELACE, E. A. ... 254
LOWRY, R. 391
LYTLE, L. D. 111

MACKAY, D. G. 23
Mackay, R. S. 555
MANDLER, G. 531
MAXCY, P., JR. 133
MAYHEW, J. W. ... 474
Michon, J. A. 550
Mordkoff, A. M. .. 555
MORGAN, M. J. 380
MORGAN, R. 117
MORLEY, T. 474
MUNDL, W. J. 406

NEIBERG, A. 117
Neimark, E. D. ... 552
NEISSER, U. 540
NEWMAN, E. B. ... 400
NOTTERMAN, J. M. 266

OLCZAK, P. V. 157
ONO, H. 86
Osser, H. 552

Posner, M. 551
Powledge, F. 143

Rabinowitz, F. M. 142
RADLOW, R. 307
RAPPOPORT, D. A. .. 133
ROBERTSON, B. 133
ROBINSON, J. S. ... 513
ROBY, T. B. 374
ROCK, I. 1, 425
Rock, I. 141
ROSENBERG, B. G. . 181
ROYER, J. M. 96
RUMP, E. E. 291

SCHIFF, W. 73
SCHURMAN, D. L. .. 320
Siegel, F. H. 552
SIMON, J. 1
SJÖBERG, L. 441
Skinner, B. F. 549
SMITH, F. 241
Smith, O. W. 554
Smith, P. C. 554

STEGER, J. A. 56
STEWART, J. 181
Stringer, R. A., Jr. 554
SUMMERS, D. A. ... 235
SUMMERS, R. C. ... 203
SUMMERS, S. A. ... 203
TAGART, J. 367
TARPY, R. M. 111
TAYLOR, R. L. 259
THAYER, S. 73
UNDERWOOD, B. J. .. 198
WADE, N. J. ...191, 384
WHITE, J. F. 124
WILSON, J. A. 350
Zaleznik, A. 554

SUBJECTS

(The references in *italic* figures are to reviews.)

Adaptation: perceptual, 141 f.; proprioceptive, visual-orientation judgments and, 195 ff.; shifts of cue(s) and rules in multiple-probability tasks, 235–240
Adaptation-level effects, simple reaction time and, 104–109
Aftereffect, visual tilt: lateral body tilt and, 191–197
Animals: monkey, cutaneous feedback and motor performance in, 270 f.; rat, degree of exposure and aversiveness of nonreward cues in, 279–282; conditioning of, apparatus for, 133–136; small, apparatus for reward testing with, 406–410
Apparatus: conditioning, for aquatic animals, 133–136; conditioning, testing of olfactory stimuli in, 133–136; food dish, for reward testing with animals, 406–410; hurdle, for training aquatic animals, 133–136; randomizer, for forced-choice visual stimuli, 410–413; telemetry, biomedical, *555 f.*
Apprehension, visual: of numerousness, context effects in, 221–227
Assimilation, lightness: differential stimulation and, 56–72
Association, word: original thinking and, 157–167
Authority in formal organizations, *554 f.*
Autokinesis, Myers' phenomenon of, *124 ff.*
Aversiveness of nonreward cues, degree of exposure and, 279–282

Biography: C. Lloyd Morgan, 126–133
Brain stimulation, electrical; grid-delivered shock and, 136 ff.

Cartesian psychology, 393
Children, thinking in, *552*
Cognition: concept identification and hypothesis-testing behavior, 523–530; concept shifts in retarded children, 212–220; concept shifts, theory of, 219 f.; cue-criterion relations in cognition, 490–503; effect of, on differential GSR conditioning, 168–180; learning task, as measure of, 493–503; task characteristics and, 490–503; understanding implications and, 367–373. *See also* Thinking
Communication: human, *551 f.*; sensory, *551 f.*
Concept identification: organization of hypothesis-testing behavior and, 523–530; stimulus dimensions and, 523–530
Concept shifts: in retarded children, 212–220; theory of, 219 f.
Conditioning: apparatus for, in aquatic animals, 133–136; GSR, cognitive process in, 168–180; masking task and, 168–180; probability-learning task and, 168–180
Congruency in symbolic learning, 182–190
Constancy principle, Helmholtz', 397 ff.
Context: effect of, in judgment of visual numerousness, 221–227; invariant, performance in paired-associates learning with, 423 f.; thematic relevance of, in paired-associates learning, 415–424; verbal, in paired-associates learning, 415–424
Criteria, function relationships between cues and, 203–211
Cues: association of, with nonreward, 279–282; functional relationships between criteria and, 202–211; nonreward, aversiveness of, 279–282; optical contact as, in perception of size and distance, 342–349;

size judgments, distance judgments and, 228–234
Cue-criterion relations in judgment, 490–503
Cue selection: length of study interval and, in paired-associates learning, 254–258; retroactive inhibition and, in interpolated learning, 278 f.
Cue shift, adaptation to: in multiple-probability tasks, 235–240
Cutaneous feedback, changes in: motor-task performance and, 266–269, 271; in monkey, 270 f.

D-amphetamine, effects of: on acquisition of new material in paired-associates learning, 309–313, 316–319; on delayed recall in paired-associates learning, 314–319; on persistence of paired-associates learning, 313 f., 316–319; on recall, 309–319
Descartes, René: influence of Galilean physics on ideas of, 394 f.
Development, child: in school environment, *143 f.*; in discrimination learning, *142 f.*; learning and, *143 f.*
Developmental psychology, *552 f.*
Dimensionality of judgments of similarity, 441–456
Discrimination, process of: development and, *142 f.*
Distance, judgment of: cues to size and, 228–234; judgment of size, invariance hypothesis and, 291–306; visual-field changes, effect of on, 342–349
Distortion, perceptual, *141 f.*

Eckman's law, statement of, 305 f.
Emotion: biology of, *555*; judgment of, in facial expressions, 444–456
Equidistance tendency in visual fields, 333–349
Estimates. *See* Judgment
Event cycles, prediction of, 374–379
Expression, facial: similarity judgments of, 444–456
Extinction, latent: frustration hypothesis of, 280; in rats, 279–282
Facial expression, judgment of social interactions by, 73–85
Feedback: changes in cutaneous, motor-task performance and, 266–269, 271; changes in cutaneous, motor performance in monkey and, 270 f.; changes in visual, motor-task performance and, 266 f., 269 ff.
Figures: ambiguous, of concavity, 389 ff.; ambiguous, of convexity, 389 ff.; recall of, differences of size and shape in, 7–22; recognition of, differences of size and shape in, 7–22
Freudian theory: influence of Newton on, 398 f.; influence of Helmholtz on, 398 f.

Galileo, influence of: on Hobbes, 394 f.; on Descartes, 394 f.; on psychological thought, 391–400
Galvanic Skin Response (GSR): conditioning of, cognitive processes in, 168–180; conditioning of, masking task and, 168–180; conditioning of, probability-learning task and, 168–180; differential, accuracy of verbalization and, 168–180
Generalization, stimulus: as recognition process, 1–22; theory of, 1–4, 19–22; unawareness of stimuli differences in, 3; vs. associative theory, 4 f., 7–22
Gestalt psychology, dependence on physicalism in, 400 f.
GSR. *See* Galvanic Skin Response

Helmholtz, Hermann: constancy principle of, 397 ff.; contributions to psychology by, 402; influence of, on Freudian theory, 398 f.
Hobbes, Thomas: influence of Galilean physics on ideas of, 394 f.; psychological systems of, compared to Descartes', 393 f.
Hypothesis testing, concept identification and, 523–530

Illusion: autokinetic, Myers', 124 ff.; Müller-Lyer, Fisher's explanation of, questioned, 380 f.; Müller-Lyer, Gregory's explanation of, questioned, 381 f.; Müller-Lyer modified, estimates of length and subjective geometry in, 380–384, 383 f.; photographic, of convexity and concavity, 389 ff.; photographic, reversible, 389 ff.; trapezoidal window, effect of action on, 86–95; trapezoidal window, effect of directed attention on, 89 f., 93 ff.; trapezoidal window, variables influencing, 86–95
Incentive, effect of: on short-term recall, 111–116
Inference: Brunswik's lens model of, 492; clinical, information utilization in, 498–503; cue-criterion re-

lations in, 490; information processing in, 500–503
Information: processing of, in inference, 500–503; stored vs. sensory, in recognition, 259–265
Intrusion, semantic: in bilingual transfer, 33 f.
Invariance hypothesis: Cook's experiment on, 291–295; Cook's experiment replicated, 291–306

Judgment: cue-criterion relations in, 490–503; of difference, stored vs. sensory information in, 259–265; of direction of gaze in another person, 474–489; of distance, size cues and, 228–234; of emotions in facial expressions, 444–456; of social interaction, motion patterns and, 73–85; of visual numerousness, contextual effects in, 221–227; orientational-visual, reference for, 191–197; process of, 491–503; process of, characteristics of task and, 491–503; relational, 203–211; relational, between objects, 73–85; similarity, dimensionality in, 441–456; similarity, in facial expressions, 444–456; similarity, methods of determining and comparisons thereof, 441 f., 448, 454 ff.; similarity, scaling of, 441–456; size-distance, changes in visual field and, 342–349; size-distance, invariance hypothesis and, 291–306; social interaction, facial expressions and, 73–85; visual-orientational, ocular countertorsion and, 195 ff.; visual-orientational, proprioceptive adaptation and, 195 ff.; visual-orientational, references for, 191–197

Leadership, effectiveness of: Fiedler's model of, 457 f.; Fiedler's model, assumptions underlying, 458–473; group-task situations and, 466 f., 473; interactions among variables in, 469–473; leader-member affective relationships and, 467, 473; task structure and, 467 f., 473
Learning: discrimination, models of, *549;* free-recall, effect of list organization on strategies in, 531–539; incidental, effect of verbal reinforcement on, 333–341; incidental vs. intentional in orienting task, 333–341; instrumental, in chicks, 126 f.; instrumental, C. Lloyd Morgan's theory of, 126–133; intentional vs. incidental in orienting task, 333–341; interpolated, cue selection in and retroactive inhibition, 278 f.; method, effectiveness of interpolated taks, 111–116; nonverbal, 181–190; nonverbal, congruency in, 182–190; nonverbal, gestures as, 185–190; nonverbal, sounds in, 185–190; nonverbal, verbal referents and, 182 ff., 188 ff.; paired-associates, invariant context and, 415 f.; paired-associates, thematic relevance of invariant context and, 415–424; paired-associates, cue selection and, 276–279; paired-associates, cue selection, length of study interval and, 254–258; paired-associates, cue selection, interpolated learning, retroactive inhibition and, 278 f.; paired-associates, *d*-amphetamine and, 307–319; paired-associates, *d*-amphetamine, acquisition of new material and, 309–313, 316–319; paired-associates, delayed recall and effects of, 314–319; paired-associates, effect of delayed recall on persistence in, 313 f., 316–319; paired-associates, meaningful stimuli and, 415–424; paired-associates, practice and, 276–279; paired-associates, recall as prerequisite for recognition in, 96–103; paired-associates, recognition as prerequisite for recall in, 1–22, 96–103; paired-associates, retroactive inhibition and, 276–279; paired-associates, verbal context and, 415–424; probability, GSR conditioning and, 168–180; multiple-probability, adaptation to cue shifts in, 235–240; multiple-probability, adaptation to rule shifts in, 235–240; relational, semantic, 181–190; symbolic, 181–190; symbolic, congruency in, 182–190; symbolic, of gestures, 185–190; symbolic, of sounds, 185–190; symbolic, verbal referents and, 182 ff.; verbal, 548 f.; verbal, discriminative, number of incorrect terms and, 198 ff. *See also* Memory; Recall; Recognition
Learning theory, discrimination, 142 f.
Length, estimates of: in modified Müller-Lyer illusion, 380–384
Letters: identification of, distinctive-feature theory of, 248–252 f.; recognition of, 259–265

Lightness assimilation, differential stimulation and, 56–72
Lightness contrast: differential stimuli and, 56–72; Helson's theory of, 56 f., 69–72
Lightness, perceived: apparent depth and, 363–366; figural orientation and, 359–366
Linguistics, meaning in bilingual transfer, 23–39
Lists, length of: digit retrieval and, 272–275
Locke, John: influences of Newton on, 392

Masking: GSR conditioning in paradigm of, 168–180; visual, failure to replicate disinhibition of, 320–332
Meaning: in bilingual transfer, 23–29; production of, in sentences, 23–39; symbolic, 181–190; transfer of, in sentences by bilinguals, 23–39
Meetings: Society of Experimental Psychologists, 547; Southern Society for Philosophy and Psychology, 413 f.
Memory: short-term, covert rehearsal and, 111–116; short-term, incentive and, 111–116; verbal, rhythmic grouping structure and, 540–546; verbal, role of rhythm in serial intrusion in, 540–546
Memory span, verbal: rhythmic grouping in, 540–546; role of rhythm in serial intrusions in, 540–546
Memory trace in recognition, 1–22
Model: Brunswik's lens, of inference, 492 f.; Fiedler's, for leadership effectiveness, 471 f.; physicalist, in psychology, 400–406
Morgan, C. Lloyd: influence of, in instrumental learning, 126–133
Motivation: organizational climate and, 554; covert rehearsal and, in short-term memory, 111–116
Motor task, performance in: cutaneous feedback and, 266–269, 271; visual feedback and, 266 f., 269 ff.; weight of limb and, 270 f.

Newton, Isaac, influence of: on John Locke, 392; on nineteenth-century psychology; 400–406; on psychological thought, 391–400
Normalization, visual: reference for, 191–197; retinal vs. gravitational postural adaptation and, 194–197
Numerousness, visual: contextual effects in judgment of, 221–227

Optical contact, as cue in perception of size and distance, 333–349
Orientational-visual judgments, ocular countertorsion and, 195 ff.
Orientation, visual: monocular vs. binocular observation and, during head tilt, 384–388
Originality: study of, 157–167; theories of, 157
Perception: of direction of gaze, 474–489; of extensity, phenomenal vs. retinal location of points in, 425–440; of form, phenomenal vs. retinal location of points in, 425–440; of form, without retinal image, 425–440; of length, in modified Müller-Lyer illusion, 380–384; pattern, novel vs. familiar stimuli in, 513–522; pattern, primacy effect in, with binocular tachistoscopic viewing across fixation, 504–512; of size and distance, invariance hypothesis and, 291–306; space, 141 f.; of time, in health and disease, *550 f.*; visual delay, luminance level and, 350–358; visual field, equidistance effects in, 342–349; visual invariance hypothesis, replication of Cook's experiment on, 291–306; visual lightness, apparent depth and, 363–366; visual lightness, assimilation effects in, 56–72; visual lightness, contrast effect, 56–72; visual lightness, Helson's theory of, 56 f., 69–72; visual lightness, figural orientation and, 359–366; visual masking, 320–332; visual masking, cues in, 327–332; visual verticality, monocular vs. binocular observation and, during head tilt, 384–388
Perceptual adaptation, *141 f.*
Perceptual distortion, *141 f.*
Performance, motor-task: cutaneous feedback and, 266–269, 271; kinesthetic feedback and, 270 f.; visual feedback and, 266 f., 269 ff.
Practice: speech rate in bilinguals and, 23 ff., 28–32; bilingual transfer and, with delayed auditory feedback, 32–35; meaning production and, in sentences, 23–39
Preference: delay, pleasantness of waiting period and, in children, 241–247; delay, uncertainty of score and, in children, 241–247; delay, vividness of score presentation and, in children, 241–247; dimensional, in concept shifts of retarded children, 212–220

Problem solving, concept shifts in: with retarded children, 212–220; theory of, 219 f.
Proprioception, adaptation in: visual-orientation judgments and, 195 ff.
Psychology, physicalist models of, 400
Psychophysics: apparatus for forced-choice procedure, stimulus randomization in, 410–413; up-and-down method of, test of Dixon and Mood statistics for, 40–55

Reaction time: as measure of recognition, 260–265; digit retrieval and, 272–275; original thinking and, 158–167; simple, adaptation-level phenomenon in, 104–109; simple, ready-signal intensity and, 104–109; simple, sequential intensity effects on, 104–109
Recall: associative, stimulus recognition and, 96–103; figural, size and shape differences in, 7–22; free, saturation effects in, 122 ff.; free, stimulus variation and, 122 ff.; as prerequisite for recognition, in paired-associates task, 96–103; recognition and, interactions between, 259–265; short-term, covert rehearsal in, 111–116; short-term, effectiveness of interpolated-task procedure on, 111–116; short-term, effectiveness of incentives on, 111–116
Recognition: figural, size and shape differences in, 7–22; interaction between stored and sensory information in, 259–265; of letters, 259–265; process of, 1 ff.; as requirement for recall in paired-associates learning, 1–22, 96–103; stimulus generalization as process of, 1–22; visual, interactions between stored and sensory information in, 259–265
Rehearsal, covert: in short-term memory, 111–116; incentives and, 111–116; interpolated-tasks procedure and, 111–116
Reinforcement: delayed, preference for task and, in children, 241–247; expressive verbal, effect on incidental learning, 333–341; immediate, preference for task and, in children, 241–247; to cutaneous pressure bands, in squirrel monkey, 270 f.
Relation, judgments of, 202–211
Remote Associates Test as measure of originality, 157 ff.
Retardation, research in, *139 ff.*
Retrieval, digit: serial position in list and, 272–275; length of list and, 272–275
Retroactive inhibition: cue selection in interpolated learning and, 278 f.; in paired-associates learning, 276–279
Rule shift, adaptation to: in multiple-probability tasks, 235–240

Scaling, similarity: category rating and, 445 ff., 449–456; magnitude estimation and, 445–449, 453–456; paired comparisons in, 445–449, 455 f.; unidimensional, differing response modes and, 451–456
Search, visual: type case and efficiency in, 248–253; type size and efficiency in, 248–253
Semantic errors in bilingual transfer, 33 f.
Semantic relationships, learning of, 181–190
Sequences of nonsense syllables, prediction of, 374–379
Shock, grid-delivered: with electrical brain stimulation, 136 ff.
Size: absolute vs. relative, as cues for distance judgments, 228–234; of type, word identification and, 248–253
Size-distance judgments: changes in visual field and, 342–349; invariance hypothesis and, 291–306; optical contact as a cue in, 342–349
Social interaction, judgment of: facial expressions and, 73–85
Speech, errors of: delayed auditory feedback and, in bilingual transfer, 32–35
Speech production, bilingual: role of meaning in, 23–39
Speech rate: familiarity with meaning of sentences and, in bilinguals, 25 f., 28–32; practice and, in bilinguals, 23 ff., 28–32
Spoonerisms in bilingual transfer, 34 f.
Statistics, Dixon and Mood's, for up-and-down psychophysical method, 40–55
Study interval, length of: cue selection and, in paired-associates learning, 254–258

Teaching: methods of, *142 f.*; practice of, *549 f.*
Telemetry, biomedical, *555 f.*
Thematic Apperception Test (TAT),

originality and behavior on, 160–167
Thinking: in children, *552;* original, 157–167; theories of, 157
Tilt, visual: aftereffect of, during lateral body tilt, 191–197
Transfer, bilingual: contextual vs. lexical meaning in, 28–32; familiarity with meaning and, 25 f., 28–31; phonological practice and, 31 f.; practice and, 23 ff., 28–39; scrambled sentences and, 28–31; speech errors in, delayed auditory feedback and, 32–35; spoonerisms in, 34 f.; word-order effects on, 26 f.

Understanding of implications, 367–373

Verticality, gravitational vs. visual: as reference for visual normalization, 191–197
Vision: aftereffects of tilt, lateral body tilt and, 191–197; normalization of, reference for, 191–197
Visual delay, luminance level and, 350–358
Visual feedback, changes in: motor-task performance and, 266 f., 269 ff.
Visual lightness: assimilation phenomena in, 56–72; contrast phenomena in, 56–72; Helson's theory of, 56 f., 69–72
Visual masking: cues in, 327–332; failure to replicate disinhibition of, 320–332
Visual normalization, retinal vs. gravitational references for, 191–197
Visual-orientation judgments, ocular countertorsion and, 195 ff.
Visual recognition, interaction between stored and sensory information in, 259–265
Visual search: type case and, 248–253; type size and, 248–253

Word identification: type case and, 248–253; type size and, 248–253
Word order, effect of: on bilingual transfer, 26 f.

THE AMERICAN JOURNAL OF PSYCHOLOGY

EDITED BY

LLOYD G. HUMPHREYS
University of Illinois

M. E. BITTERMAN
Bryn Mawr College

E. B. NEWMAN
Harvard University

C. W. ERIKSEN
University of Illinois

B. J. UNDERWOOD
Northwestern University

WITH THE COOPERATION OF

Karl M. Dallenbach, University of Texas; J. P. Guilford, University of Southern California; Harry Helson, University of Massachusetts; E. R. Hilgard, Stanford University; Julian Hochberg, Columbia University; Francis W. Irwin, University of Pennsylvania; F. Nowell Jones, University of California, Los Angeles; G. L. Kreezer, Washington University; W. C. H. Prentice, Wheaton College

Vol. 82
1969

PUBLISHED QUARTERLY BY THE UNIVERSITY OF ILLINOIS PRESS
Urbana, Illinois 61801

© 1969 by the Board of Trustees of the University of Illinois
Manufactured in the United States of America

TABLE OF CONTENTS

ARTICLES AND NOTES

ABOUD, J., JR., and GRANBERG, D., A Contextual Effect in Judgments of Numerousness 221

ADKINS, M., and DAVES, W. F., Stimulus Variation and Free Recall: A Confirmation 122

ANDREWS, O. E., LEVINTHAL, C. F., and FISHBEIN, H. D., The Organization of Hypothesis-Testing Behavior in Concept-Identification Tasks 523

ANSTIS, S. M., MAYHEW, J. W., and MORLEY, T., The Perception of Where a Face or Television 'Portrait' is Looking 474

ANSTIS, S. M., and WILSON, J. A., Visual Delay as a Function of Luminance 350

ANTONITIS, J. J., A New Photographic Illusion 389

BAER, P. E., and FUHRER, M. J., Cognitive Processes in Differential GSR Conditioning: Effects of a Masking Task 168

BAGLEY, S. K., CHUBB, N. C., HURST, P. M., and RADLOW, R., Effects of *D*-amphetamine on Acquisition, Persistence, and Recall 307

BECK, J., Lightness and Orientation 359

BENTON, R. G., MAXCY, P., JR., ROBERTSON, B., and RAPPOPORT, D. A., A Two-Chamber Hurdle Apparatus for Using Odorants in Aquatic Animal-Training 133

BERGER, S. M., and ELLSBURY, S. W., The Effect of Expressive Verbal Reinforcements on Incidental Learning by Models and Observers 333

BEVAN, W., and COLLYER, S. C., The Role of Thematic Relevance of Context in Paired-Associates Learning 415

BITTERMAN, M. E., C. Lloyd Morgan and the Theory of Instrumental Learning 126

BOWMAN, R. W., JR., and MACKAY, D. G., On Producing the Meaning in Sentences 23

BREHMER, B., Cognitive Dependence on Additive and Configural Cue-Criterion Relations 490

BURNHAM, C. A., and ONO, H., Variables Altering Perception of the Rotating Trapezoidal Illusion 86

CAMPIONE, J. C., Intra- and Extradimensional Shifts in Retardates as a Function of Dimensional Preference 212

CHUBB, N. C., HURST, P. M., RADLOW, R., and BAGLEY, S. K., Effects of *D*-amphetamine on Acquisition, Persistence, and Recall 307

COLLYER, S. C., and BEVAN, W., The Role of Thematic Relevance of Context in Paired-Associates Learning 415

CRONNELL, B., SMITH, F., and LOTT, D., The Effect of Type Size and Case Alternation on World Identification 248

DAVES, W. F., and ADKINS, M., Stimulus Variation and Free Recall: A Confirmation 122

DAY, R. H., and WADE, N. J., The Reference for Visual Normalization ... 191

ELLSBURY, S. W., and BERGER, S. M., The Effect of Expressive Verbal Reinforcements on Incidental Learning by Models and Observers 333

ERIKSEN, C. W., and SCHURMAN, D. L., Summation and Interaction of Successive Masking Stimuli in Visual Perception 320

FILION, R. D. L., FOWLER, S. C., and NOTTERMAN, J. M., Psychophysical Evaluation of Feedback Phenomena as Related to Precision of Force Emission: Some Methodological Considerations 266

FISHBEIN, H. D., ANDREWS, O. E., and LEVINTHAL, C. F., The Organization of Hypothesis-Testing Behavior in Concept-Identification Tasks 523

FISHBEIN, M., LANDY, E., and HATCH, G., A Consideration of Two Assumptions Underlying Fiedler's Contingency Model for Prediction of Leadership Effectiveness 457
FOWLER, S. C., FILION, R. D. L., and NOTTERMAN, J. M., Psychophysical Evaluation of Feedback Phenomena as Related to Precision of Force Emission: Some Methodological Considerations 266
FREUND, J. S., and UNDERWOOD, B. J., Verbal-Discrimination Learning with Varying Numbers of Right and Wrong Terms 198
FUHRER, M. J., and BAER, P. E., Cognitive Processes in Differential GSR Conditioning: Effects of a Masking Task 168
GLASS, T. A., Effects of Three Situational Variables and Type of Reinforcement on Delay Preference 241
GLUCKSBURG, S., TARPY, R. M., and LYTLE, L. D., Motivation and Short-Term Retention: Evidence for Covert Rehearsal 111
GOGEL, W. C., Equidistance Effects in Visual Fields 342
GOGEL, W. C., The Absolute and Relative Size Cues to Distance 228
GRANBERG, D., and ABOUD, J., JR., A Contextual Effect in Judgments of Numerousness 221
GREENBERG, B., and LOVELACE, E. A., Cue Selection in Paired-Associate Learning: Length of Study Interval 254
HALPER, F., and ROCK, I., Form Perception without a Retinal Image 425
HAMILTON, D., and KENNEDY, R. A., Time to Locate Probe Items in Short Lists of Digits 272
HARCUM, E. R., Continuous Tachistoscopic Patterns Reproduced without Laterality Effects 504
HATCH, G., LANDY, E., and FISHBEIN, M., A Consideration of Two Assumptions Underlying Fiedler's Contingency Model for Prediction of Leadership Effectiveness 457
HURST, P. M., RADLOW, R., CHUBB, N. C., and BAGLEY, S. K., Effects of *D*-amphetamine on Acquisition, Persistence, and Recall 307
JOHNSON-LAIRD, P. N., and TAGART, J., How Implication is Understood .. 367
KAPLAN, M. F., and OLCZAK, P. V., Originality and Rate of Response in Association as a Function of Associative Gradient 157
KAPPAUF, W. E., An Empirical Sampling Study of the Dixon and Mood Statistics for the Up-and-Down Method of Sensitivity Testing 40
KAPPAUF, W. E., The Sixty-fifth Annual Meeting of the Society of Experimental Psychologists 547
KARKAU, V. T., SUMMERS, S. A., and SUMMERS, R. C., Judgments Based on Different Functional Relationships between Interacting Cues and a Criterion 203
KENNEDY, R. A., and HAMILTON, D., Time to Locate Probe Items in Short Lists of Digits 272
KOHFELD, D. L., Effects of Ready-Signal Intensity and Intensity of the Preceding Response Signal on Simple Reaction Time 104
LANDY, E., FISHBEIN, M., and HATCH, G., A Consideration of Two Assumptions Underlying Fiedler's Contingency Model for Prediction of Leadership Effectiveness 457
LANGER, J., ROSENBERG, B. G., and STEWART, J., Nonverbal Learning 181
LASKER, A., ROCK, I., and SIMON, J., Stimulus 'Generalization' as a Process of Recognition 1
LEVINE, M., MORGAN, R., and NEIBERG, A., A Methodological Study of Incidental and Intentional Learning 117
LEVINTHAL, C. F., ANDREWS, O. E., and FISHBEIN, H. D., The Organization of Hypothesis-Testing Behavior in Concept-Identification Tasks 523
LOTT, D., SMITH, F., and CRONNELL, B., The Effect of Type Size and Case Alternation on Word Identification 248
LOVELACE, E. A., and GREENBERG, B., Cue Selection in Paired-Associate Learning: Length of Study Interval 254
LOWRY, R., Galilean and Newtonian Influences on Psychological Thought 391
LYTLE, L. D., TARPY, R. M., and GLUCKSBURG, S., Motivation and Short-Term Retention: Evidence for Covert Rehearsal 111

MacKay, D. G., and Bowman, R. W., Jr., On Producing the Meaning in Sentences 23
Mandler, G., Input Variables and Output Strategies in Free Recall of Categorized Lists 531
Maxcy, P., Jr., Benton, R. G., Robertson, B., and Rappoport, D. A., A Two-Chamber Hurdle Apparatus for Using Odorants in Aquatic Animal-Training 133
Mayhew, J. W., Anstis, S. M., and Morley, T., The Perception of Where a Face or Television 'Portrait' is Looking 474
Morgan, M. J., Estimates of Length in a Modified Müller-Lyer Figure .. 380
Morgan, R., Neiberg, A., and Levine, M., A Methodological Study of Incidental and Intentional Learning 117
Morley, T., Mayhew, J. W., and Anstis, S. M., The Perception of Where a Face or Television 'Portrait' is Looking 474
Mundl, W. J., A Food Dish for Testing Food and Stimulation Reward with Small Animals 406
Neiberg, A., Morgan, R., and Levine, M., A Methodological Study of Incidental and Intentional Learning 117
Neisser, U., The Role of Rhythm in Active Verbal Memory: Serial Intrusions 540
Newman, E. B., Newton, Physics, and the Psychology of the Nineteenth Century 400
Notterman, J. M., Filion, R. D. L., and Fowler, S. C., Psychophysical Evaluation of Feedback Phenomena as Related to Precision of Force Emission: Some Methodological Considerations 266
Olczak, P. V., and Kaplan, M. F., Originality and Rate of Response in Association as a Function of Associative Gradient 157
Ono, H., and Burnham, C. A., Variables Altering Perception of the Rotating Trapezoidal Illusion 86
Radlow, R., Hurst, P. M., Chubb, N. C., and Bagley, S. K., Effects of *D*-amphetamine on Acquisition, Persistence, and Recall 307
Rappoport, D. A., Maxcy, P., Jr., Benton, R. G., and Robertson, B., A Two-Chamber Hurdle Apparatus for Using Odorants in Aquatic Animal-Training 133
Robertson, B., Benton, R. G., Maxcy, P., Jr., and Rappoport, D. A., A Two-Chamber Hurdle Apparatus for Using Odorants in Aquatic Animal-Training 133
Robinson, J. S., Familiar Patterns Are No Easier to See than Novel Ones 513
Roby, T. B., Forecasting Event Cycles: A Laboratory Paradigm 374
Rock, I., Lasker, A., and Simon, J., Stimulus 'Generalization' as a Process of Recognition 1
Rock, I., and Halper, R., Form Perception without a Retinal Image 425
Rosenberg, B. G., Langer, J., and Stewart, J., Nonverbal Learning 181
Royer, J. M., Associative Recall as a Function of Stimulus Recognition .. 96
Rump, E. E., A Modified Replication of Cook's Invariance-Hypothesis Experiment 291
Schiff, W., and Thayer, S., Stimulus Factors in Observer Judgment of Social Interaction: Facial Expression and Motion Pattern 73
Schurman, D. L., and Eriksen, C. W., Summation and Interaction of Successive Masking Stimuli in Visual Perception 320
Simon, J., Lasker, A., and Rock, I., Stimulus 'Generalization' as a Process of Recognition 1
Sjöberg, L., The Dimensionality of Similarity Judgments 441
Smith, F., Lott, D., and Cronnell, B., The Effect of Type Size and Case Alternation on Word Identification 248
Steger, J. A., Visual Lightness Assimilation and Contrast as a Function of Differential Stimulation 56
Stewart, J., Langer, J., and Rosenberg, B. G., Nonverbal Learning 181
Summers, D. A., Adaptation to Change in Multiple Probability Tasks ... 235

SUMMERS, R. C., SUMMERS, S. A., and KARKAU, V. T., Judgments Based on Different Functional Relationships between Interacting Cues and a Criterion 203
SUMMERS, S. A., SUMMERS, R. C., and KARKAU, V. T., Judgments Based on Different Functional Relationships between Intracting Cues and a Criterion 203
TAGART, J., and JOHNSON-LAIRD, P. N., How Implication is Understood ... 367
TARPY, R. M., GLUCKSBURG, S., and LYTLE, L. D., Motivation and Short-Term Retention: Evidence for Covert Rehearsal 111
TAYLOR, R. L., On Recognition as a Discrete Event 259
THAYER, S., and SCHIFF, W., Stimulus Factors in Observer Judgment of Social Interaction: Facial Expression and Motion Pattern 73
UNDERWOOD, B. J., and FREUND, J. S., Verbal-Discrimination Learning with Varying Numbers of Right and Wrong Terms 198
WADE, N. J., and DAY, R. H., The Reference for Visual Normalization ... 191
WADE, N. J., The Effect of Monocular and Binocular Observation on Visual Orientation during Head Tilt 384
WHITE, J. F., A Report on Myers' New Autokinetic Phenomenon 124
WILSON, J. A., and ANSTIS, S. M., Visual Delay as a Function of Luminance 350

BOOK REVIEWS

(The reviewer's name appears in parentheses after the title of the work.)

BARNES, L. B., DALTON, G. W., and ZALEZNIK, A., The Distribution of Authority in Formal Organizations (A. K. Korman) 554
BOULTER, L. R., ENDLER, N. S., and OSSER, H., Contemporary Issues in Developmental Psychology (M. Lewis) 552
CHERRY, C., On Human Communication: A Review, A Survey, and a Criticism, 2nd. ed. (M. Posner) 551
COHEN, J., Psychological Time in Health and Disease (J. A. Michon) 550
DALTON, G. W., BARNES, L. W., and ZALEZNIK, A., The Distribution of Authority in Formal Organizations (A. K. Korman) 554
ELLIS, N. R. (ed.), International Review of Research in Mental Retardation, Vol. II (J. Clausen) 139
ENDLER, N. S., BOULTER, L. R., and OSSER, H., Contemporary Issues in Developmental Psychology (M. Lewis) 552
FELLOWS, B. J., The Discrimination Process and Development (F. M. Rabinowitz and J. C. Campione) 142
HOOPER, F. H., and SIEGEL, I., Logical Thinking in Children (E. D. Neimark) 552
JACOBSON, E., Biology of Emotion (A. M. Mordkoff) 555
JUNG, J., Verbal Learning (J. Ceraso) 548
LITWIN, G. H., and STRINGER, R. A., JR., Motivation and Organizational Climate (O. W. Smith and P. C. Smith) 554
LOVEJOY, E., Attention in Discrimination Learning (D. H. Lawrence) 549
MACKAY, R. S., Bio-Medical Telemetry (W. H. Foy) 555
OSSER, H., BOULTER, L. R., and ENDLER, N. S., Contemporary Issues in Developmental Psychology (M. Lewis) 552
POWLEDGE, F., To Change a Child: A Report on the Institute for Developmental Studies (L. C. Kovar) 143
ROCK, I., The Nature of Perceptual Adaptation (Y. Kohler) 141
SIEGEL, I. E., and HOOPER, F. H., Logical Thinking in Children (E. D. Neimark) 552
SKINNER, B. F., The Technology of Teaching (C. N. Cofer) 549
STRINGER, R. A., JR., and LITWIN, G. H., Motivation and Organizational Climate (O. W. Smith and P. C. Smith) 554
ZALEZNIK, A., DALTON, G. W., and BARNES, L. W., The Distribution of Authority in Formal Organizations (A. K. Korman) 554